

D-Erythro-Pentonic acid, 2-deoxy-3,5-bis-O-(trimethylsilyl)-, «gamma»-lactone

Other names: D-erythro-Pentonic acid, 2-deoxy-3,5-bis(trimethylsilyl)-, «gamma»-lactone
2C-Methylribonic acid lactone, TMS

Inchi: InChI=1S/C11H24O4Si2/c1-16(2,3)13-8-10-9(7-11(12)14-10)15-17(4,5)6/h9-10H,7-8H2.1
InchiKey: IKMKBKLESWIEFA-UHFFFAOYSA-N
Formula: C11H24O4Si2
SMILES: C[Si](C)(C)OCC1OC(=O)CC1O[Si](C)(C)C
Mol. weight [g/mol]: 276.48
CAS: 10589-33-0

Physical Properties

Property code	Value	Unit	Source
log10ws	2.32		Crippen Method
logp	2.373		Crippen Method
rinpola	1660.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C10589330&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpola: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/71-885-1/D-Erythro-Pentonic-acid-2-deoxy-3-5-bis-O-trimethylsilyl-gamma-lactone.pdf>

Generated by Cheméo on 2024-04-25 16:46:35.509653193 +0000 UTC m=+16352844.430230514.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.